

**ARIZONA LIST OF THRESHOLDS**  
A.A.C. R19-2-112.13 AND A.A.C. R19-2-112.17.E

PARENT DRUG	THRESHOLD	FLUID	NOTES
Acepromazine	25 ng/ml	Urine	
Albuterol	1 ng/ml	Urine	
Atropine	10 ng/ml	Urine	
Betamethasone	100 pg/ml	Serum/Plasma	
Boldenone	100 pg/ml	Serum/Plasma	
	15 ng/ml	Urine	Males other than geldings
Butorphanol	10 ng/ml	Urine	
Clenbuterol	2 pg/ml	Serum/Plasma	
Dantrolene	100 pg/ml	Serum/Plasma	
Detomidine	20 pg/ml	Serum/Plasma	
Dexamethasone	100 pg/ml	Serum/Plasma	
Diclofenac	2 ng/ml	Serum/Plasma	
DMSO	10 mcg/ml	Serum/Plasma	
Firocoxib	20 ng/ml	Serum/Plasma	
Flunixin	50 ng/ml	Serum/Plasma	
Furosemide	100 ng/ml	Serum/Plasma	
Glycopyrrolate	3.5 pg/ml	Serum/Plasma	
Hydrocortisone	1 mcg/ml	Urine	
Isoflupredone	100 pg/ml	Serum/Plasma	
Isoxsuprine	50 ng/ml	Serum/Plasma	
Ketoprofen	10 ng/ml	Serum/Plasma	
Meclofenamic Acid	1 mcg/ml	Serum/Plasma	
Methocarbamol	1 ng/ml	Serum/Plasma	
Methylprednisolone	100 pg/ml	Serum/Plasma	
Nandrolone	100 pg/ml	Serum/Plasma	Fillies, mares, geldings
	500 pg/ml	Serum/Plasma	Intact males
	1 ng/ml	Urine	
Naproxen	2 mcg/ml	Serum/Plasma	
Prednisolone	1 mcg/ml	Urine	
Phenylbutazone	5 mcg/ml	Serum/Plasma	
Procaine	25 ng/ml	Urine	
Pyrilamine	50 ng/ml	Serum/Plasma	
Salicylates	750 mcg/ml	Urine	
Stanozolol	100 pg/ml	Serum/Plasma	
	1 ng/ml	Urine	

Testosterone	100 pg/ml	Serum/Plasma	Fillies, mares, geldings
	2,000 pg/ml	Serum/Plasma	Intact males
	20 ng/ml	Urine	Geldings
	55 ng/ml	Urine	Fillies and mares
Theobromine	2 mcg/ml	Urine	
Total CO <sub>2</sub>	37 mmol/L	Serum/Plasma	
Triamcinolone	100 pg/ml	Serum/Plasma	

#### Reminders:

1. The permitted concentration of clenbuterol has been reduced significantly. It is recommended that only Ventipulmin® be administered to horses in training. At the 1.6 mcg/kg PO BID dose, it is suggested that a 21-day withdrawal period be observed. Doses higher than 1.6 mcg/kg or the administration of non FDA-approved formulations of clenbuterol are not recommended.
2. The Arizona Department of Racing does not allow the presence of two non-steroidal anti-inflammatory drugs (NSAID) or “stacking” on race day. If both are used for treatment during training and phenylbutazone is the NSAID of choice on race day, flunixin may not appear above a concentration of 5 ng/ml in serum or plasma. If flunixin is the NSAID of choice on race day, phenylbutazone may not appear above a concentration of 500 ng/ml in serum or plasma.
3. There are many products, when administered, which can elevate a normal horse’s TCO<sub>2</sub> level. This includes the administration of furosemide. Care should be taken to avoid the administration of alkalinizing substances (usually ending in –ate, e.g. bicarbonate, citrate) on raceday and to administer the lowest effective dose of furosemide to avoid inadvertent overages of the TCO<sub>2</sub> threshold.
4. The permitted concentrations of all of the corticosteroids which could be administered intra-articularly have been reduced. Withdrawal periods will vary with each corticosteroid. Please consult with your veterinarian to determine the appropriate corticosteroid if necessary.